

# Gigabit Ethernet Media Converter



## ORDERING INFORMATION

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## SPOTLIGHT

The **AN-UMG** series comply with IEEE 802.3/ab Gigabit Ethernet standard. It supports two types of media for network connection such as **1000 Base-T to 1000 Base SX/LX** and connects these two types of segments to operate smoothly.

## DESCRIPTION

The **AN-UMG** series comply with IEEE 802.3/ab Gigabit Ethernet standard. It supports two types of media for network connection such as 1000 Base-T to 1000 Base SX/LX. The converter fits in the media converter chassis as plug in module and can be used in standalone applications as well.

**AN-UMG** series Fiber Media Converter transforms 1000Base-T (Copper Gigabit) media to 1000Base-SX/LX (Fiber Gigabit) media and vice versa. The 1000Base-T port supports full-duplex Gigabit connection at wire speed with RJ45 connector. The fiber Gigabit connection supports shortwave (SX) or longwave (LX) laser optic with multi-mode or single-mode SC type connector. This converter will give your Copper Gigabit connection the ability to interface with fiber connection over a distance up to 80 km!

**AN-UMG dual fiber optical fibre converter** is manufactured to provide 1000Base speeds according to your existing 1000Base-TX network. This is also known as a Gigabit network. The converter takes a typical shielded RJ45 connector into a Fiber Optic SC connection to run the distance. You can then use another converter to return the signal into RJ45 to match with the network you are using.

## FEATURE

- Compliant with IEEE 1000Base-T and 1000Base-LX
- One 1000Base-T RJ-45 port
- One 1000Base-LX/SX Port w/ SC/ST-Type Connector
- Status LED indicators for Power, Link/Activity, Full-Duplex, and Speed
- Wall-Mountable
- Optional 19" system chassis with redundant power supply (AN-CH05), holds up to 14 AN-UMG series Media Converters
- CE, FCC & RoHS compliant

## PART NUMBER

<b>AN-UMG-MM</b>	Gigabit Ethernet 1000Mbps Media Converter 2 km SC (Multimode)
<b>AN-UMGSM-10</b>	Gigabit Ethernet 1000Mbps Media Converter 10km SC (Single Mode)
<b>AN-UMGSM-20</b>	Gigabit Ethernet 1000Mbps Media Converter 20km SC (Single Mode)
<b>AN-UMGSM-40</b>	Gigabit Ethernet 1000Mbps Media Converter 40km SC (Single Mode)
<b>AN-UMGSM-60</b>	Gigabit Ethernet 1000Mbps Media Converter 60km SC (Single Mode)
<b>AN-UMGSM-80</b>	Gigabit Ethernet 1000Mbps Media Converter 80km SC (Single Mode)

## SPECIFICATION

**Standards:** IEEE802.3z/ab 1000Base-T 1000Base-SX/LX  
**LED Indicators:** FX LINK, FX FDX, TP LINK, TP FDX, ACT, POWER  
**Data rate:** 2000Mbps full duplex  
**TP:** 1000 FDX with NWAY auto-negotiation  
**Power supply:** 100 to 240VAC 50 to 60Hz

**Input power:** 2A +5V  
**Dimensions:** 70.5mm(L)X94mm(W)X26.5mm(H)  
**Environment:** Relative humidity; 5% to 90%  
**Operating temperature:** 0 to 60  
**Storage temperature:** -20 to 7070

## Application scenario:

